CLAIMS

What is claimed is:

1.   A method for controlling printing performance of a printing device,
comprising the steps of:

     receiving identification of a desired printing performance;

     automatically determining which of several different printing parameters of the
printing device to adjust to provide the desired printing performance; and

     adjusting the printing parameters of the printing device as necessary to provide
the desired printing performance.

2.   The method of claim 1, wherein the step of receiving identification of a
desired printing performance comprises receiving identification of a printing
performance setting.

3.   The method of claim 2, wherein the printing performance setting is
received via a graphical user interface (GUI).

4.   The method of claim 3, wherein the graphical user interface (GUI)
includes an indication of a performance spectrum with high printing quality at one end
of the spectrum and high print speed at another end of the spectrum.

5.   The method of claim 4, wherein the spectrum comprises a plurality of
different setting values that identify different printing performance configurations.

1   6.   The method of claim 1, wherein the printing parameters pertain to at

2   least one of font substitution and font bitmapping.

1   7.   The method of claim 1, wherein the printing parameters pertain to at

2   least one of resolution down-sampling, data compression, I/O buffer size, masering

3   buffer size, and jam recovery.

1   8.   The method of claim 1, wherein the step of receiving identification of a

2   desired printing performance comprises receiving identification with the printing

3   device directly.

1   9.   The method of claim 1, wherein the step of receiving identification of a

2   desired printing performance comprises receiving identification with a computing

3   device separate from the printing device.

1   10.   A system for controlling printing performance of a printing device,

2   comprising:

3   means for receiving identification of a desired printing performance;

4   means for automatically determining which of several different printing

5   parameters of the printing device to adjust to provide the desired printing

6   performance; and

7   means for adjusting the printing parameters of the printing device as necessary

8   to provide the desired printing performance.

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1   11.   The system of claim 10, wherein the means for receiving identification

2   of a desired printing performance comprises a graphical user interface (GUI).

1   12.   The system of claim 11, wherein the graphical user interface (GUI)

2   includes an indication of a performance spectrum with high printing quality at one end

3   of the spectrum and high print speed at another end of the spectrum.

1   13.   The system of claim 12, wherein the spectrum includes a plurality of

2   different setting values that identify different printing performance configurations.

1   14.   The system of claim 10, wherein the printing parameters pertain to at

2   least one of font substitution and font bitmapping.

1   15.   The system of claim 10, wherein the printing parameters pertain to at

2   least one of resolution down-sampling, data compression, I/O buffer size, masering

3   buffer size, and jam recovery.

1   16.   A printing device, comprising:

2   a processing device;

3   electrophotographic imaging components with which hardcopies can be

4   created; and

5   a print control module configured to adjust printing parameters in response to

6   a received identification of a desired printing performance.

1   17.   The device of claim 16, further comprising a graphical user interface

2   (GUI) with which the identification of the desired printing performance can be

3   received, the graphical user interface (GUI) including an indication of a performance

4   spectrum with high printing quality at one end of the spectrum and high print speed at

5   another end of the spectrum.

1   18.   The device of claim 17, wherein the spectrum includes a plurality of

2   different setting values that identify different printing performance configurations.

1   19.   The device of claim 16, wherein the print control module is configured

2   to adjust at least one of font substitution and font bitmapping.

1   20.   The device of claim 16, wherein the print control module is configured

2   to adjust at least one of resolution down-sampling, data compression, I/O buffer size,

3   masering buffer size, and jam recovery.

1   21.   A printing device driver configured to control printing performance of

2   a printing device, comprising:

3   logic configured to receive identification of a desired printing performance;

4   logic configured to automatically determine which of several different printing

5   parameters of the printing device to adjust to provide the desired printing

6   performance; and

7   logic configured to facilitate adjustment of the printing device printing

8   parameters to provide the desired printing performance.

1   22.   The printing device driver of claim 21, where in the logic configured to

2   facilitate adjustment of the printing parameters comprises logic configured to facilitate

3   transmission of specific desired printing parameters to the printing device.

1   23.   The printing device driver of claim 21, further comprising a graphical

2   user interface (GUI) configured to receive an identification of a printing performance

3   setting.

1   24.   The printing device driver of claim 23, wherein the graphical user

2   interface (GUI) includes a performance spectrum with high printing quality at one end

3   of the spectrum and high print speed at another end of the spectrum.

1   25.   The printing device driver of claim 21, wherein the printing parameters

2   pertain to at least one of font substitution, font bitmapping, resolution down-sampling,

3   data compression, I/O buffer size, masering buffer size, and jam recovery.

26. Software for controlling printing performance of a printing device, the software being stored on a computer readable medium, comprising:

logic configured to receive identification of a desired printing performance;

logic configured to automatically determine which of several different printing parameters of the printing device to adjust to provide the desired printing performance; and

logic configured to facilitate adjustment of the printing device printing parameters to provide the desired printing performance.

27. The software of claim 21, where in the logic configured to facilitate adjustment of the printing parameters comprises logic configured to facilitate transmission of specific desired printing parameters to the printing device.

28. The software of claim 21, further comprising a graphical user interface (GUI) configured to receive an identification of a printing performance setting.

29. The software of claim 23, wherein the graphical user interface (GUI) includes a performance spectrum with high printing quality at one end of the spectrum and high print speed at another end of the spectrum.

30. The software of claim 21, wherein the printing parameters pertain to at least one of font substitution, font bitmapping, resolution down-sampling, data compression, I/O buffer size, masering buffer size, and jam recovery.